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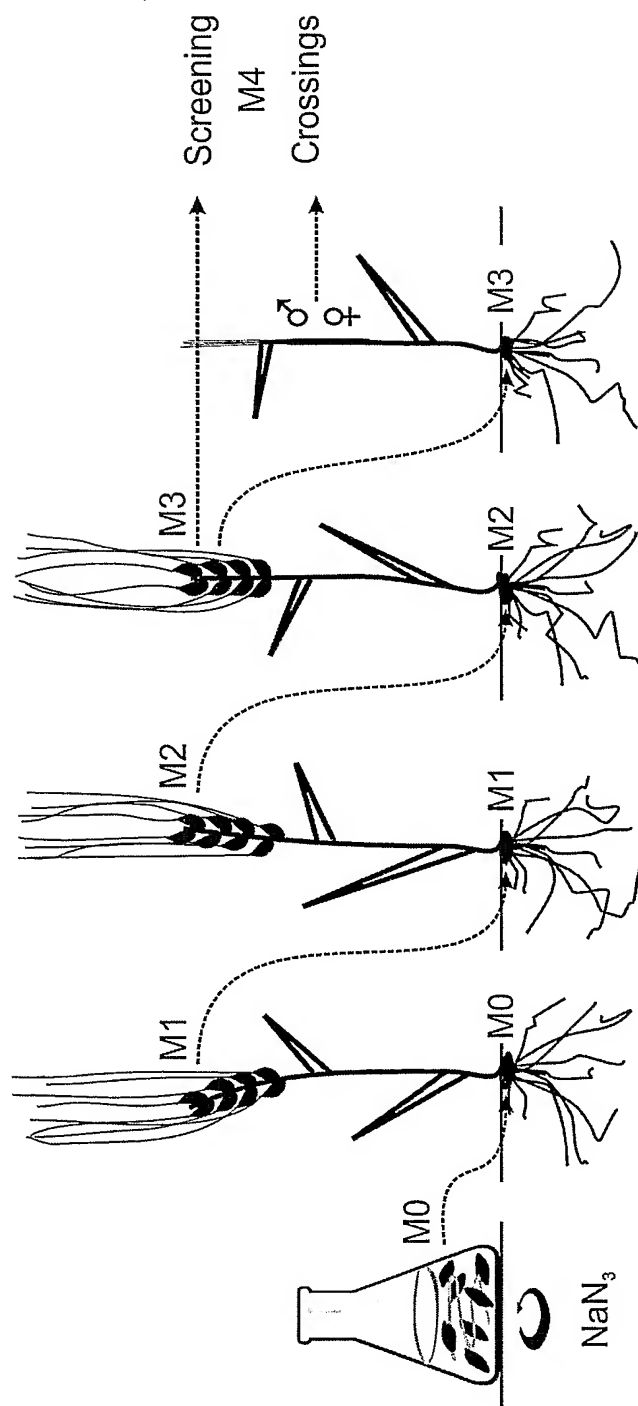


Fig. 1A

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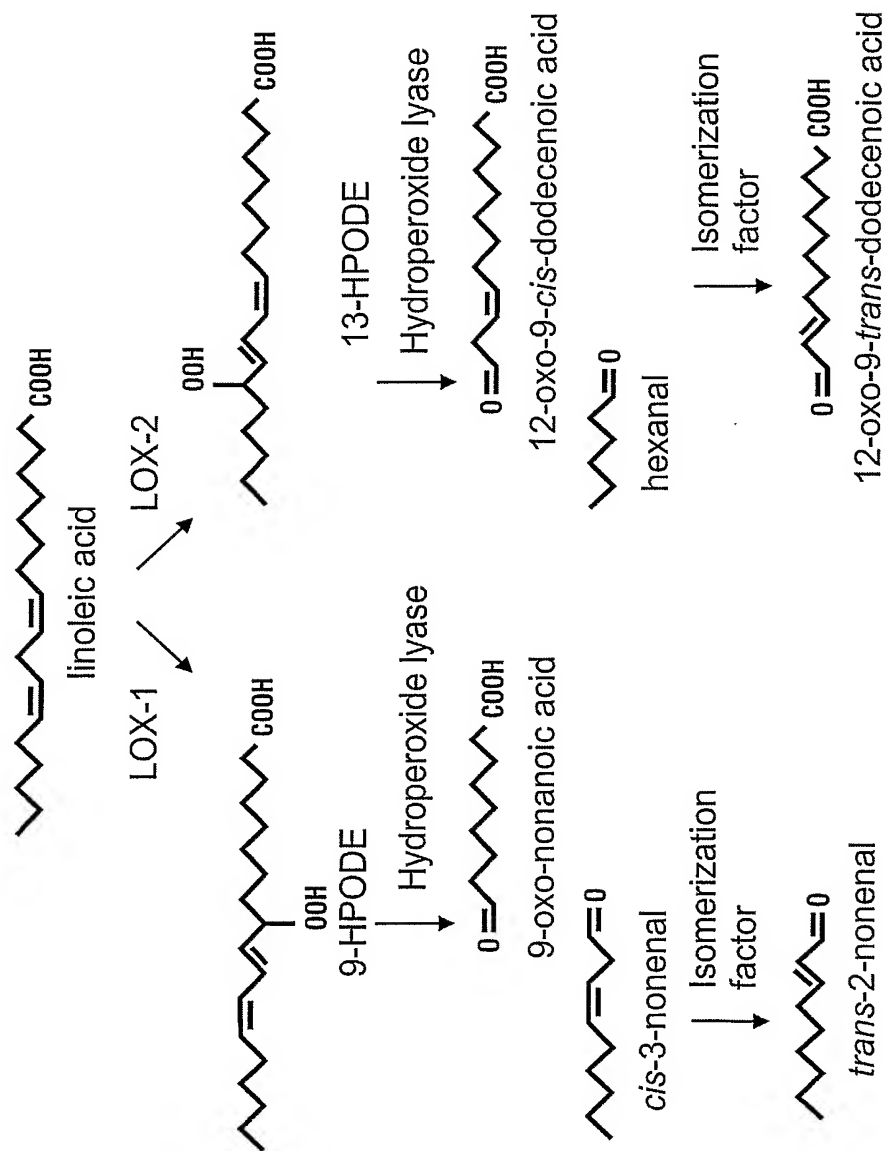


Fig. 1B

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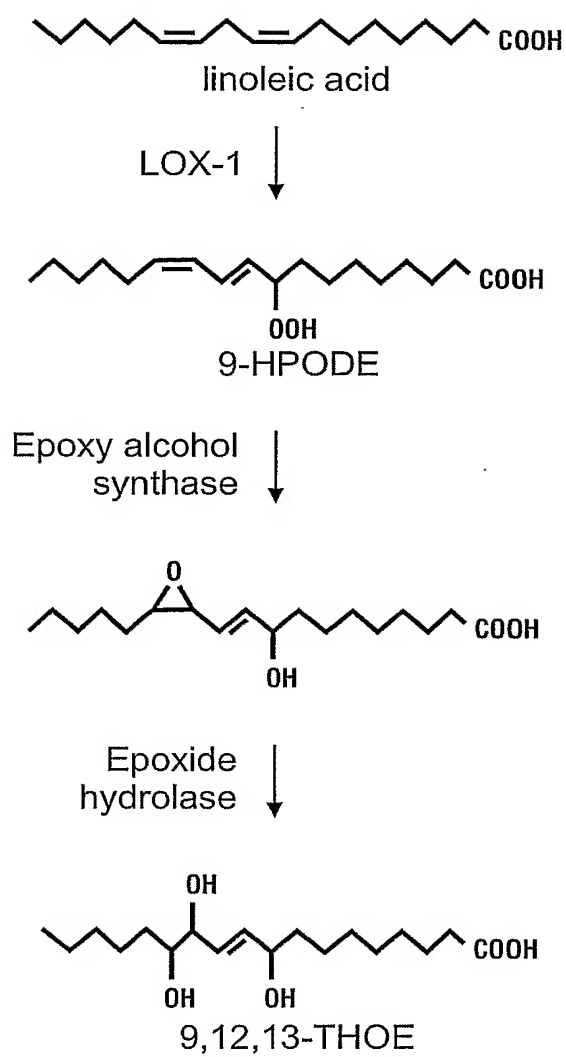


Fig. 1C

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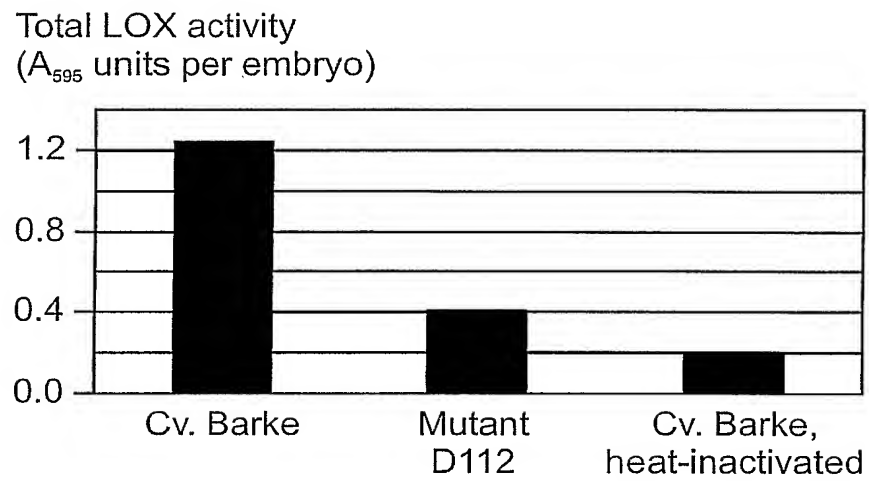


Fig. 2

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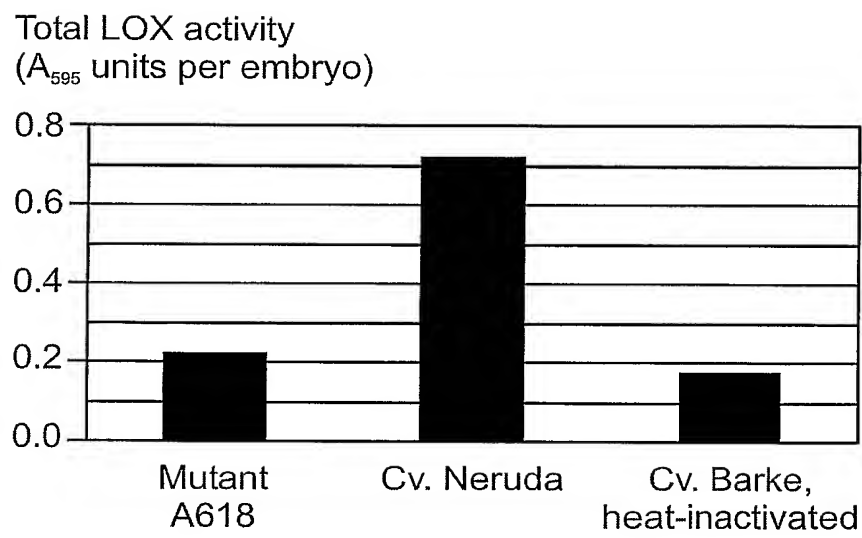


Fig. 3

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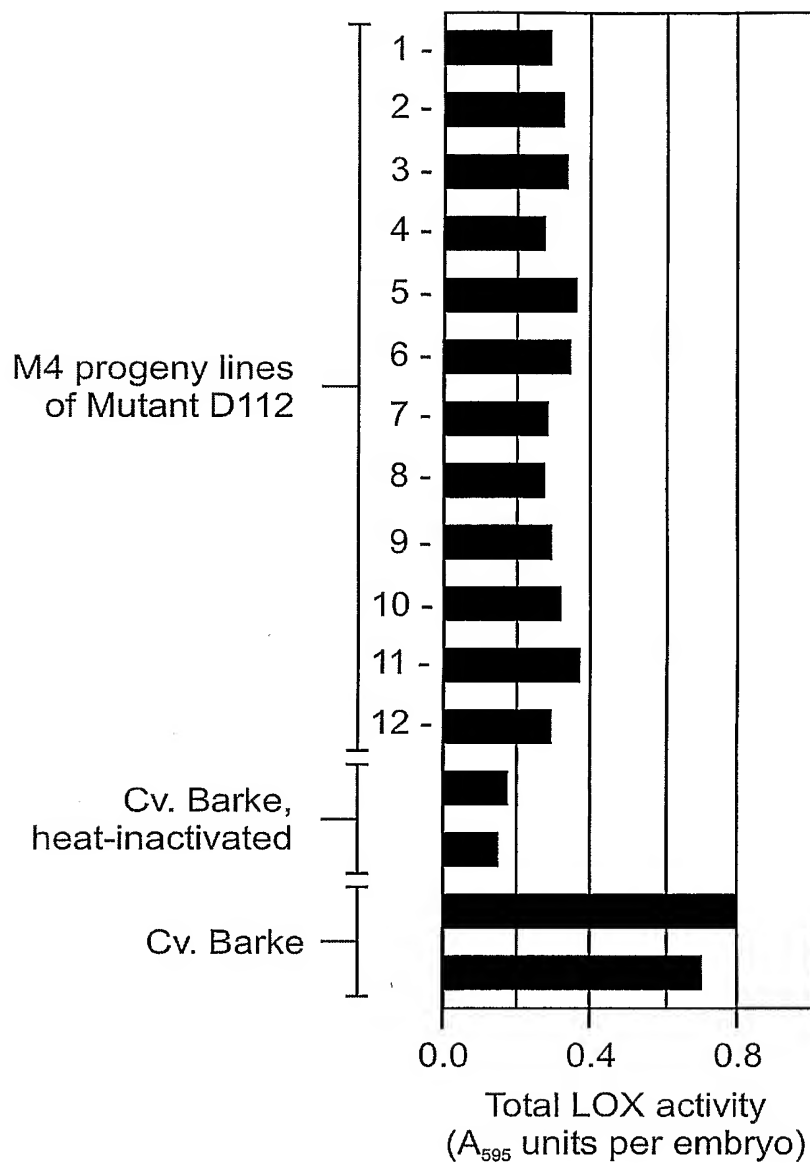


Fig. 4

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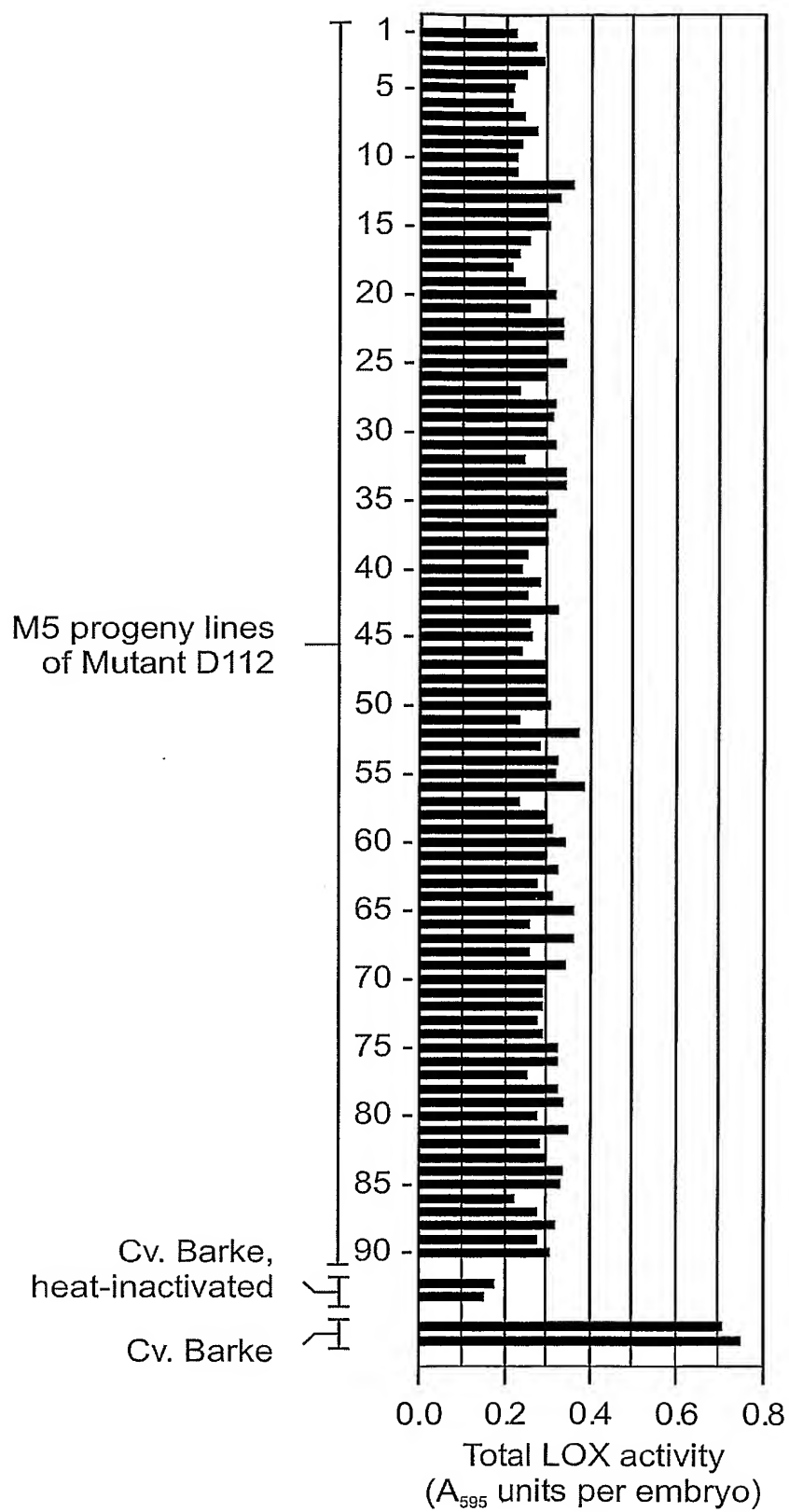


Fig. 5

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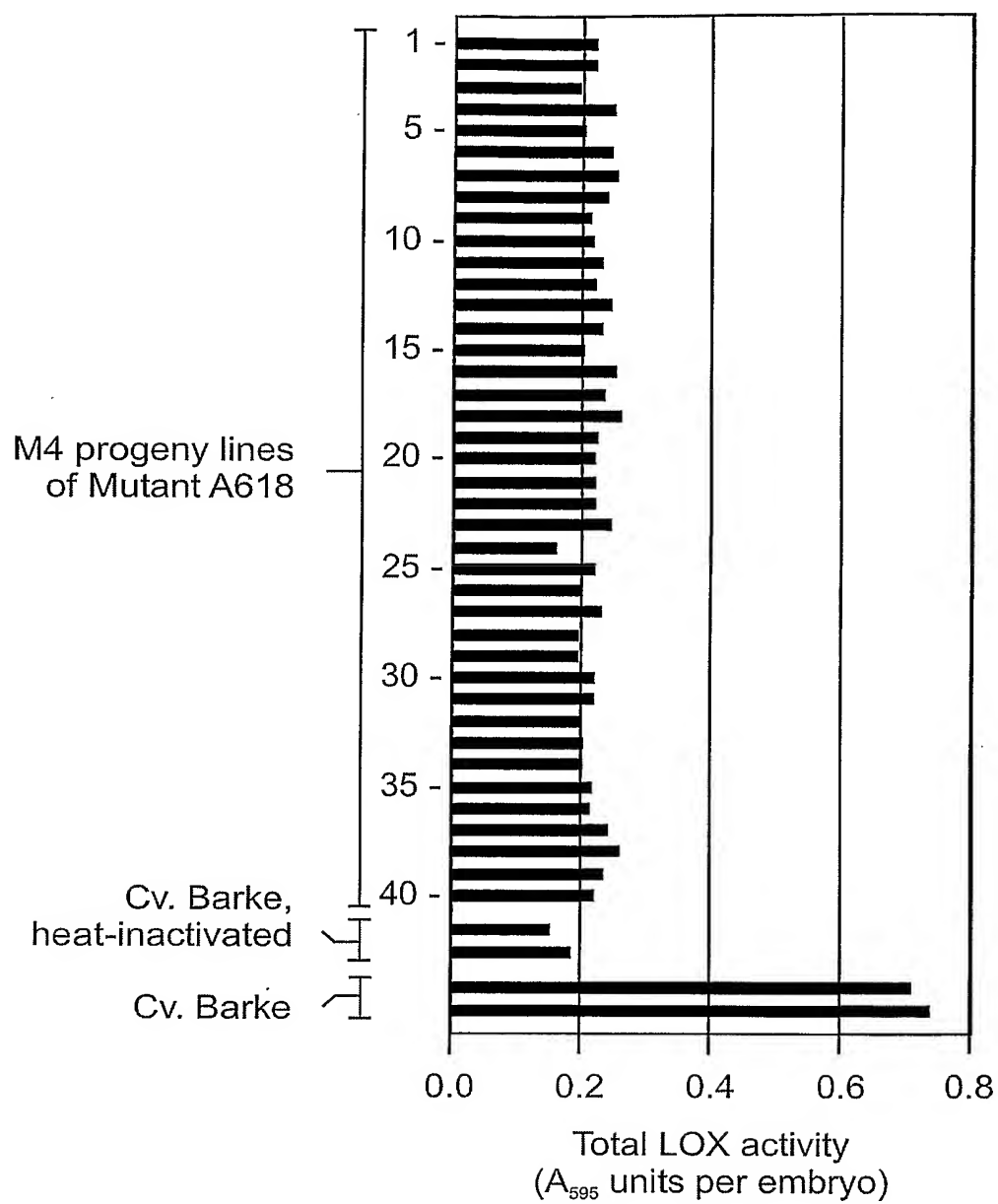


Fig. 6



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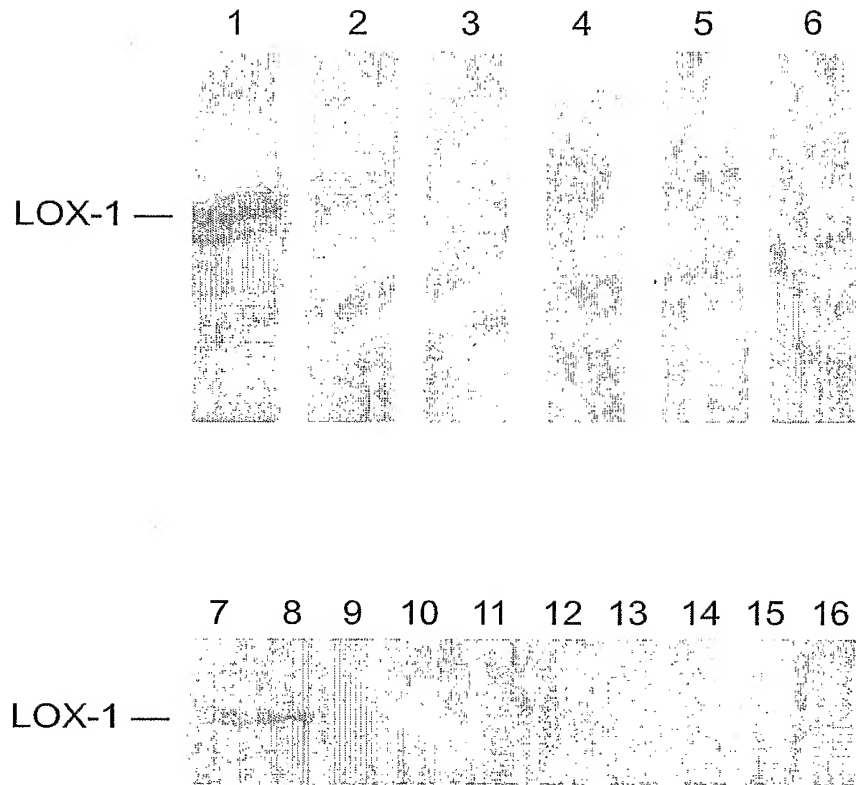


Fig. 7

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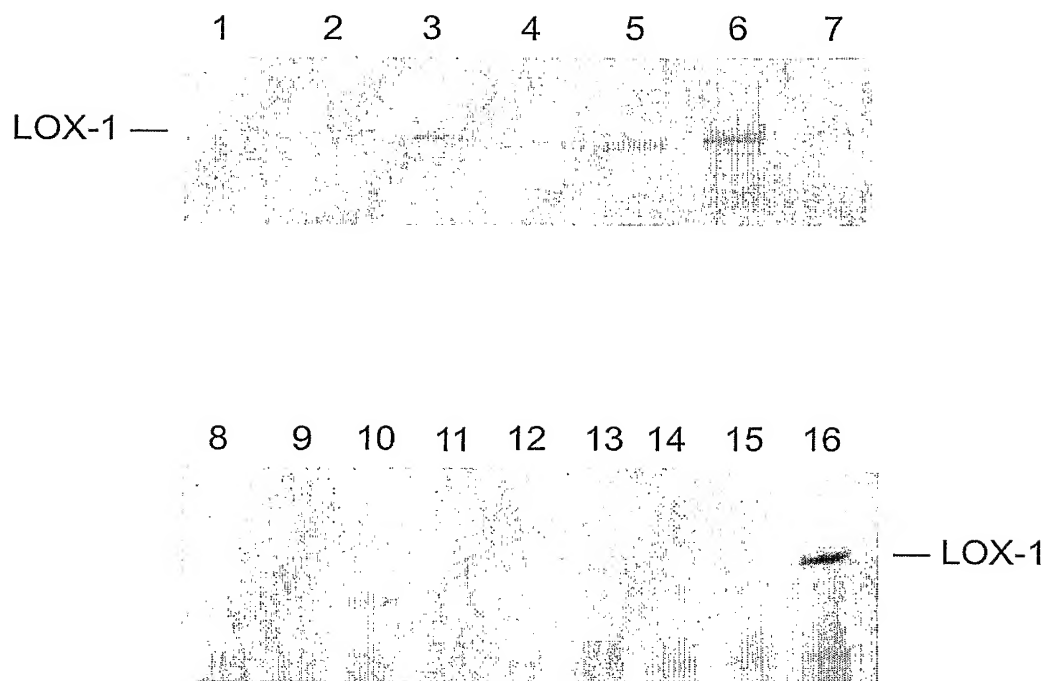


Fig. 8

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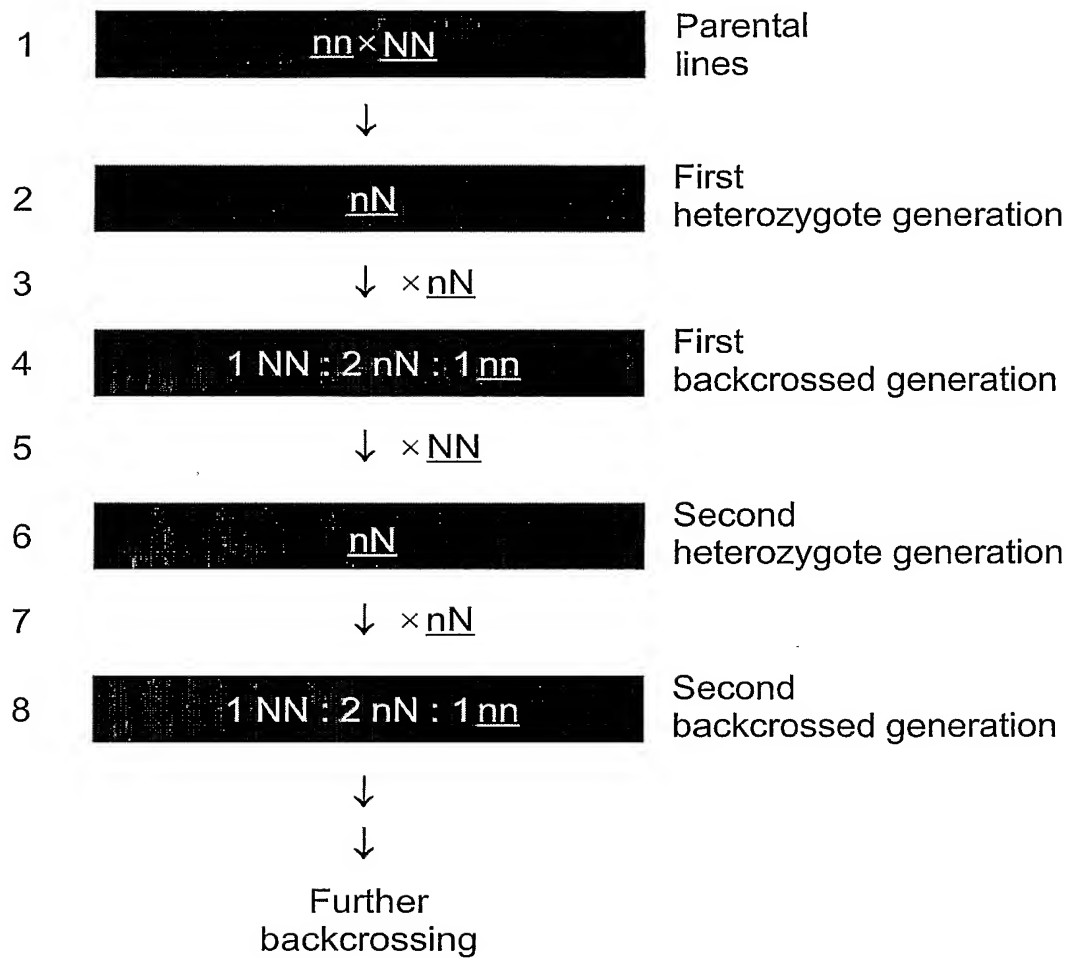


Fig. 9

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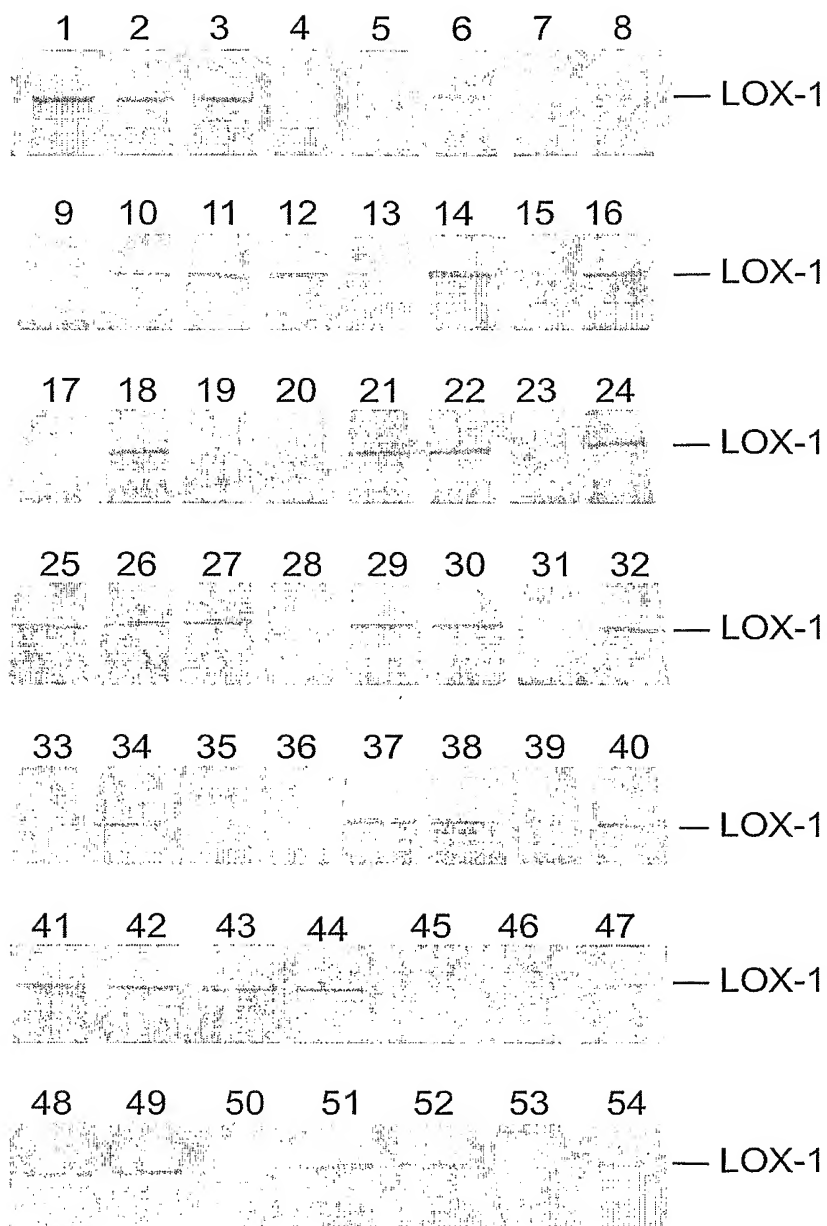


Fig. 10

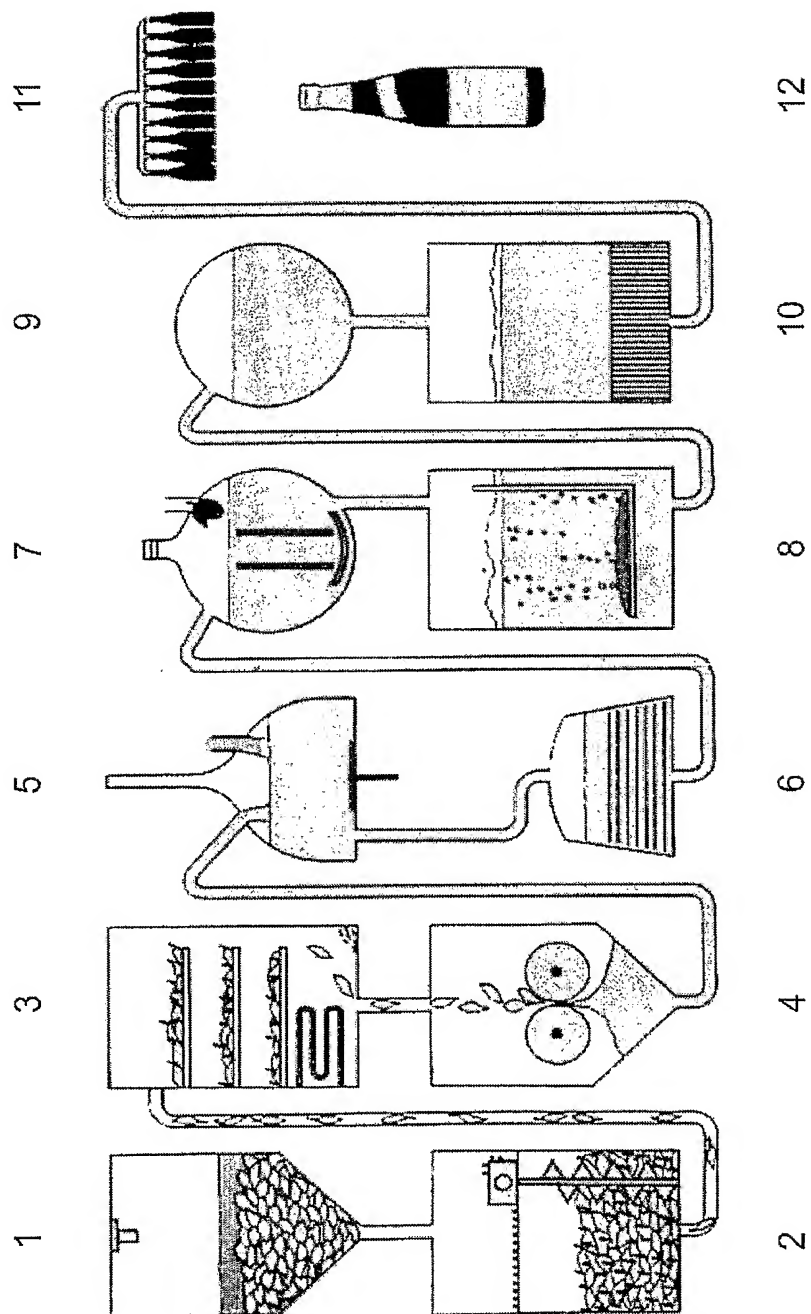


Fig. 11

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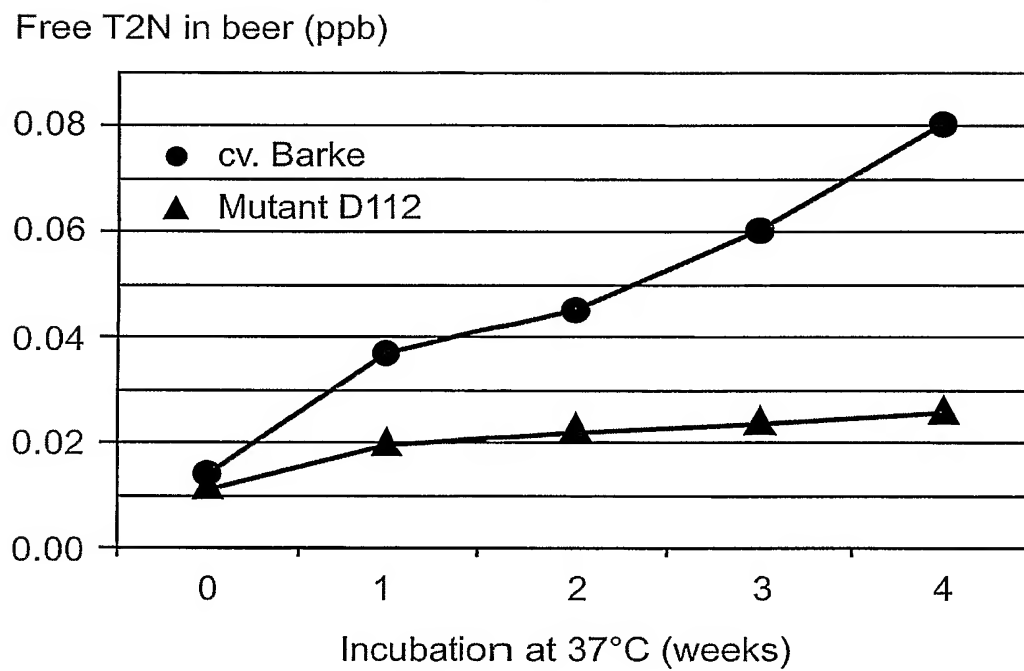


Fig. 12A

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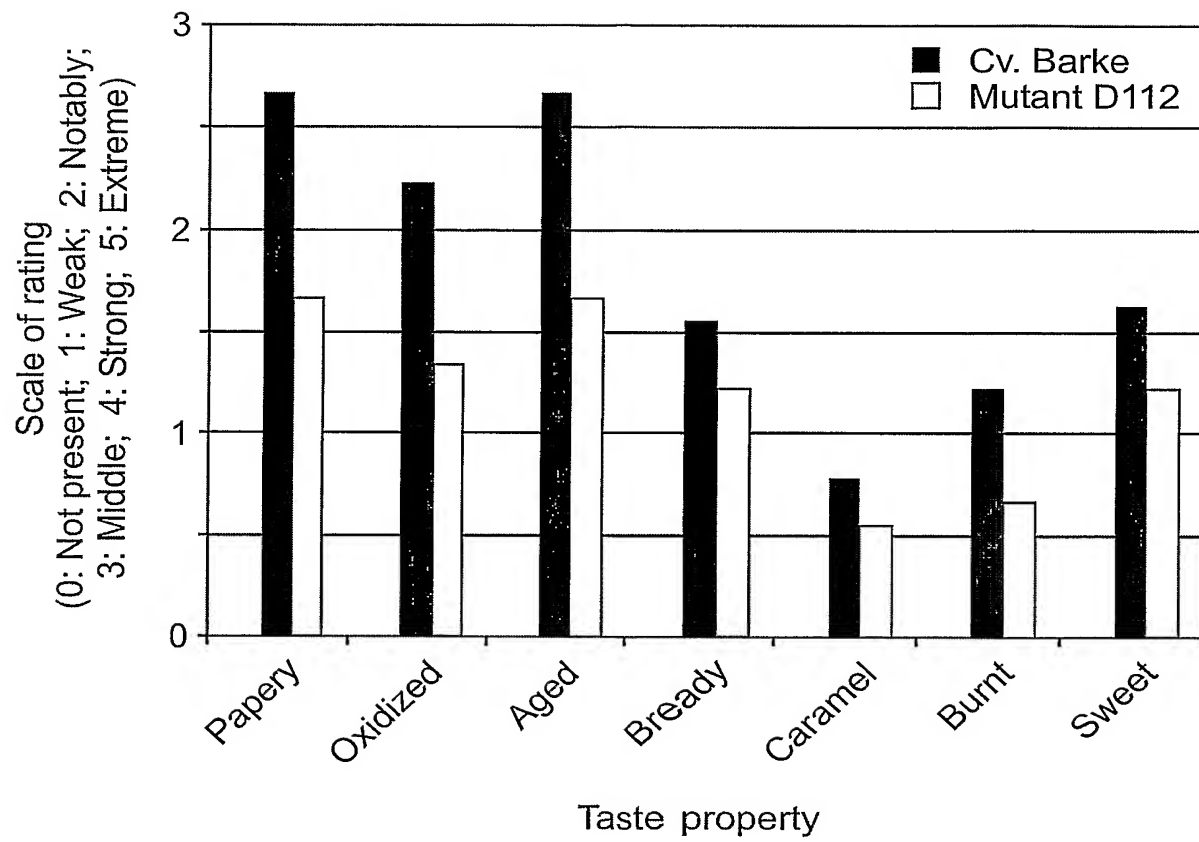


Fig. 12B

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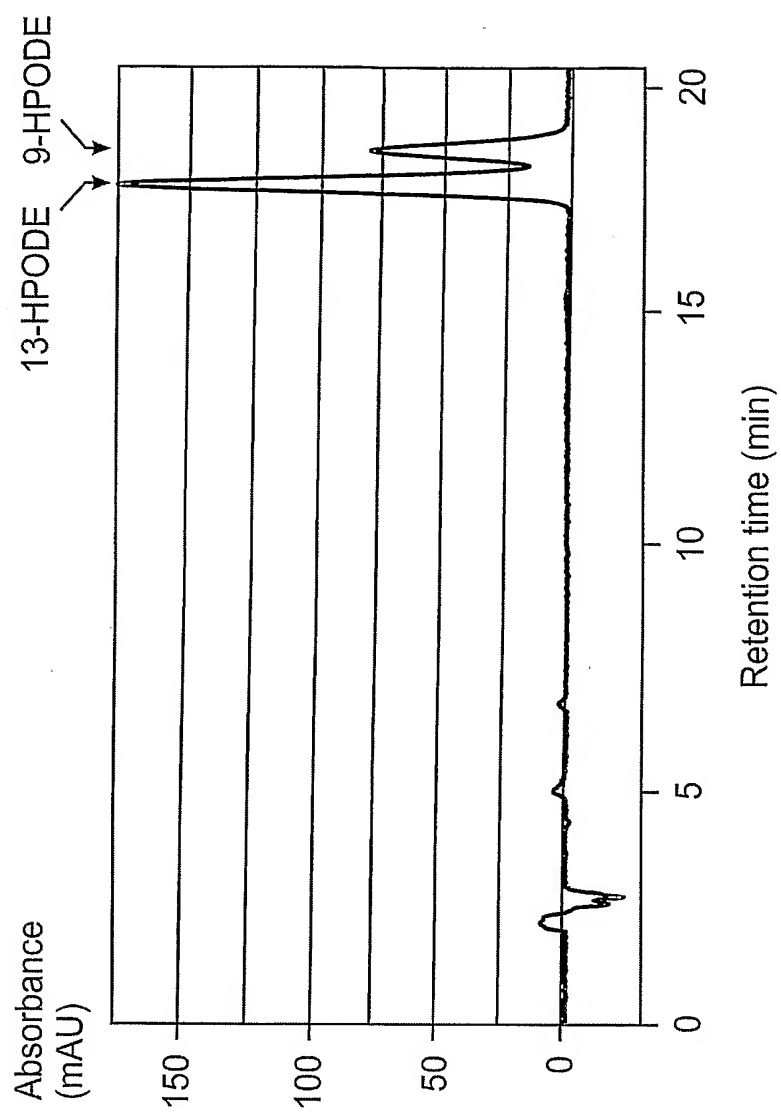


Fig. 13A



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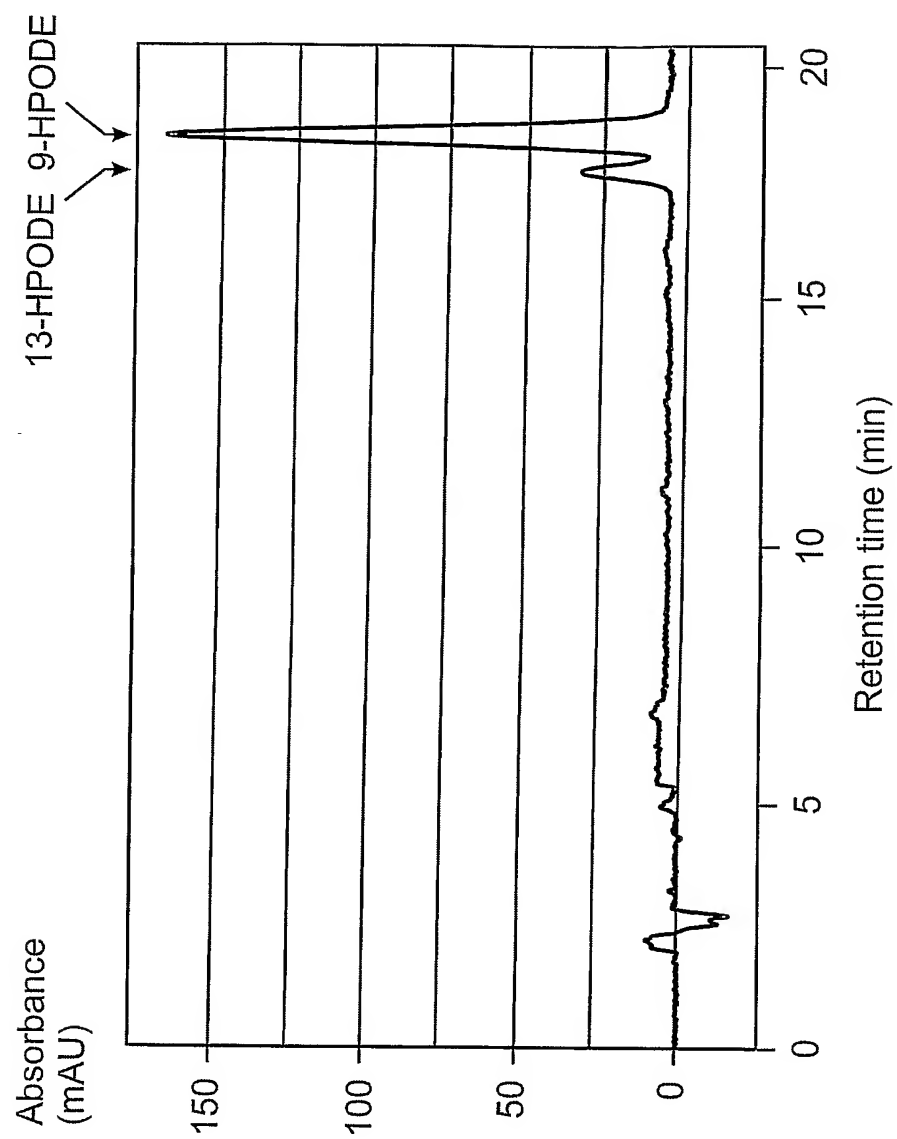


Fig. 13B

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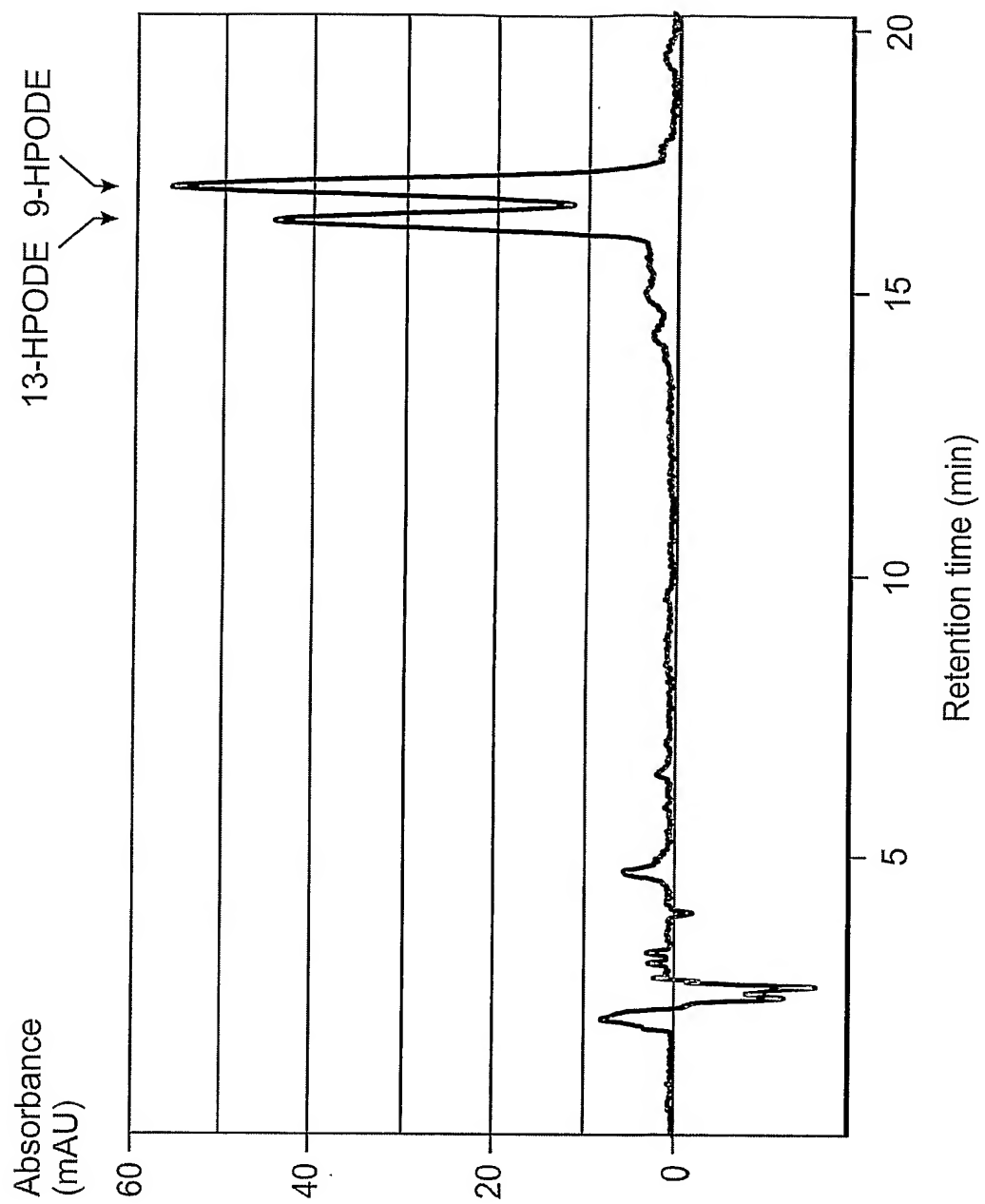


Fig. 13C

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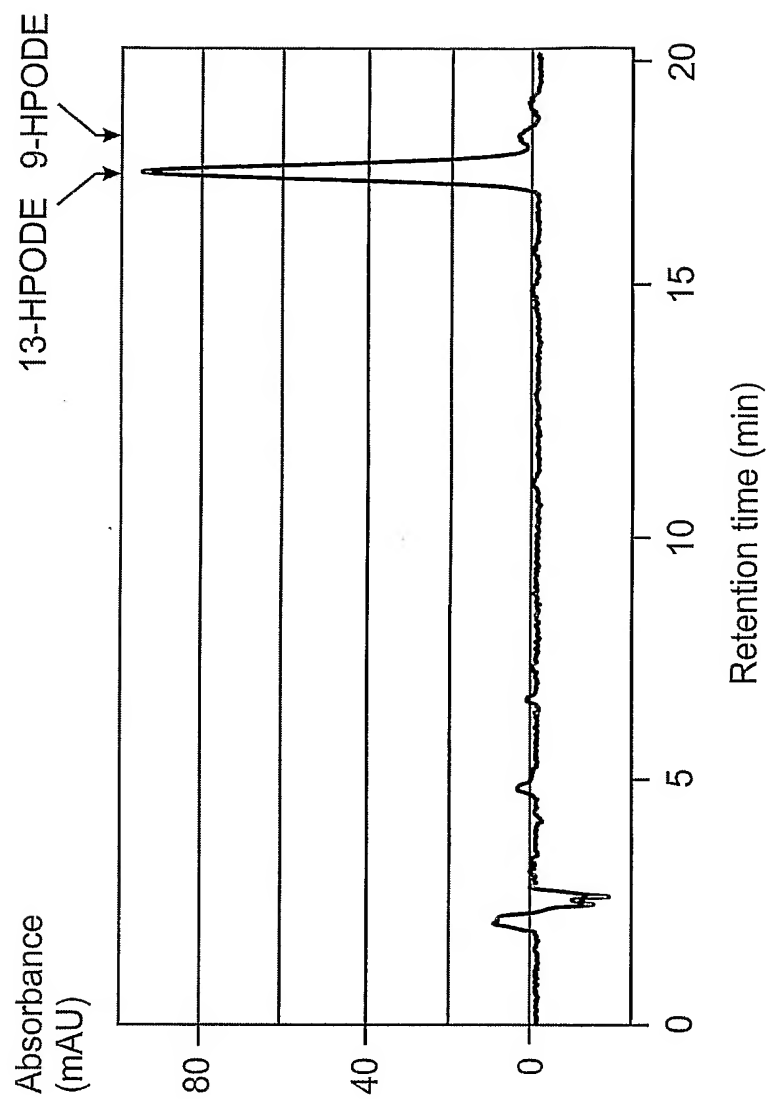


Fig. 13D

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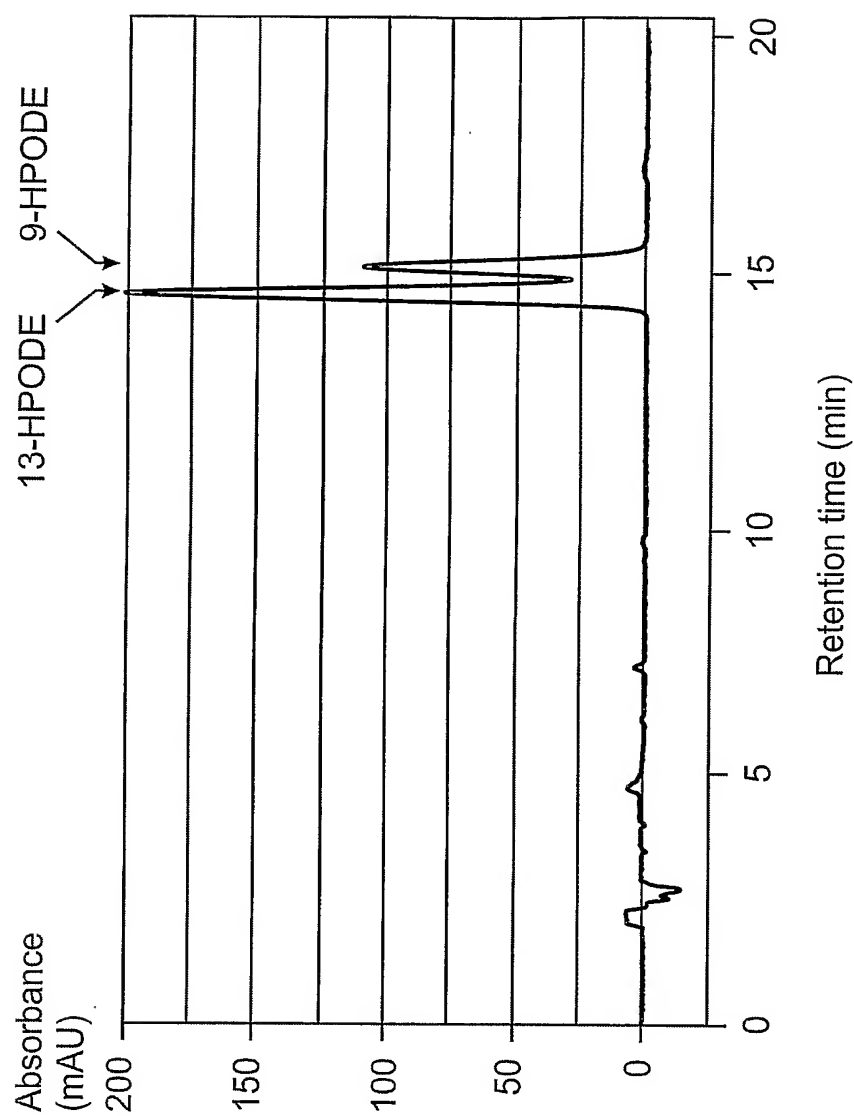


Fig. 14A

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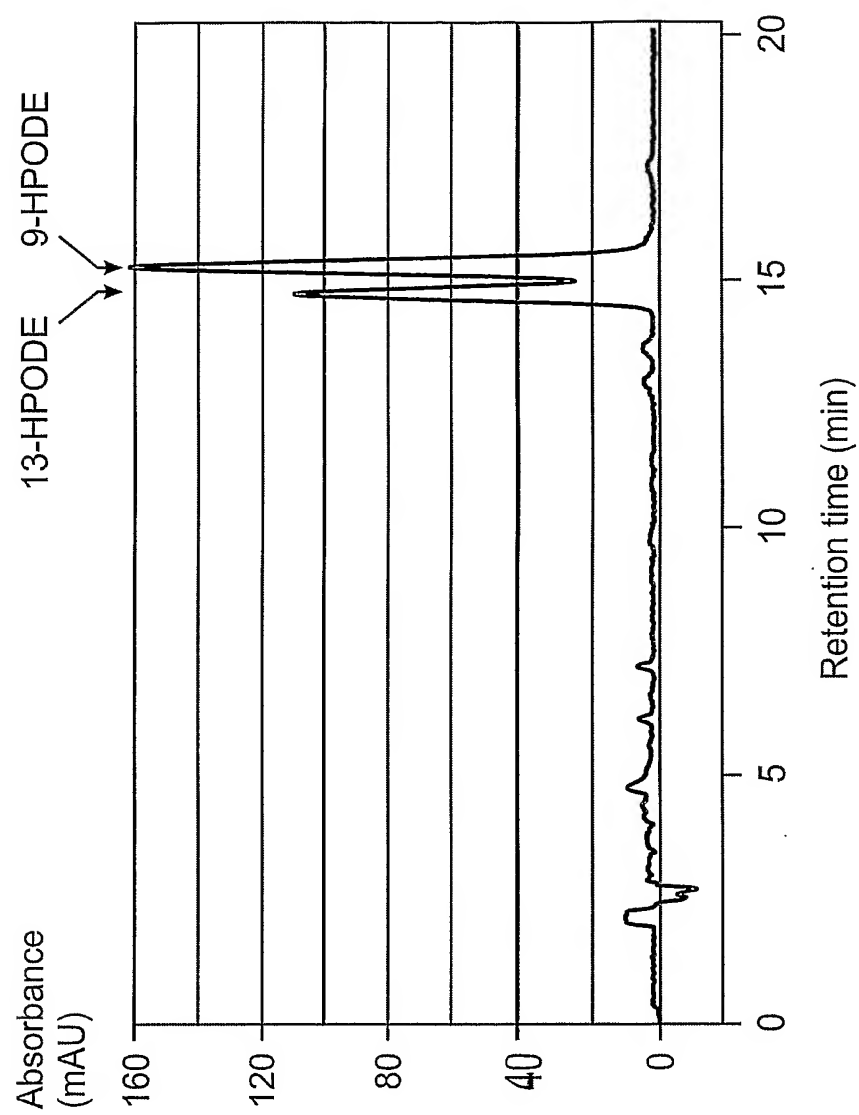


Fig. 14B

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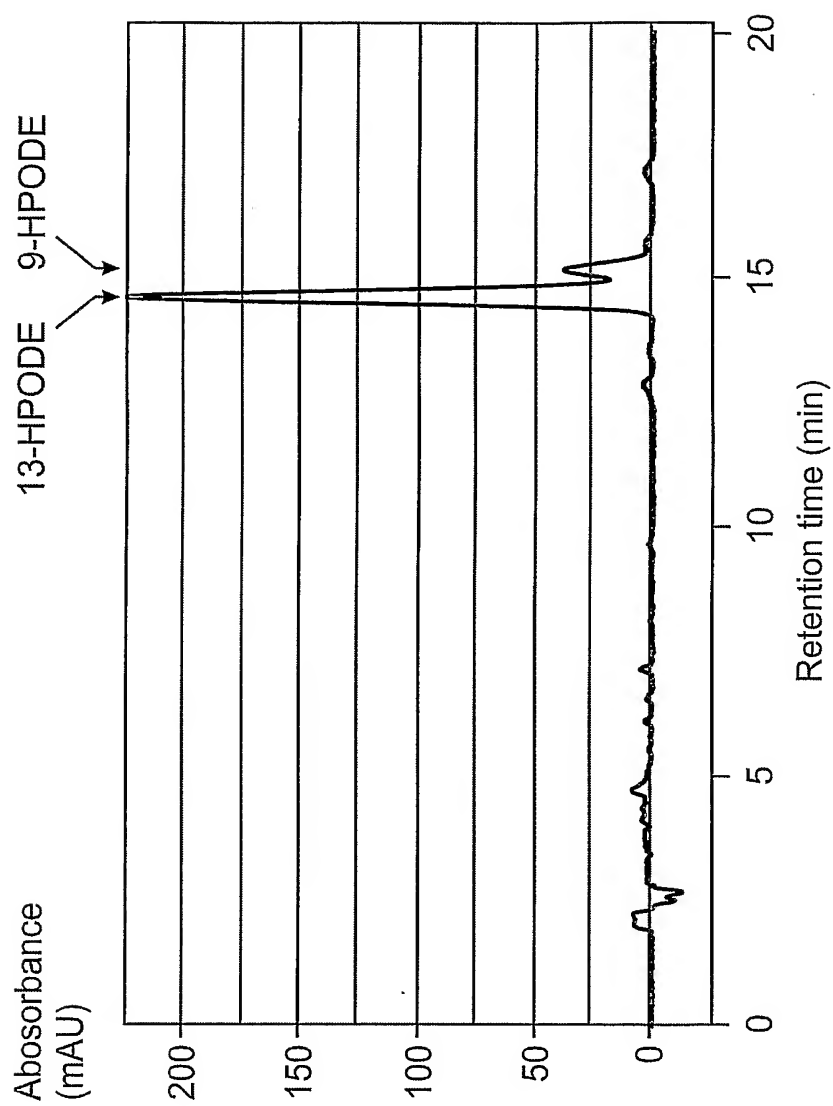


Fig. 14C

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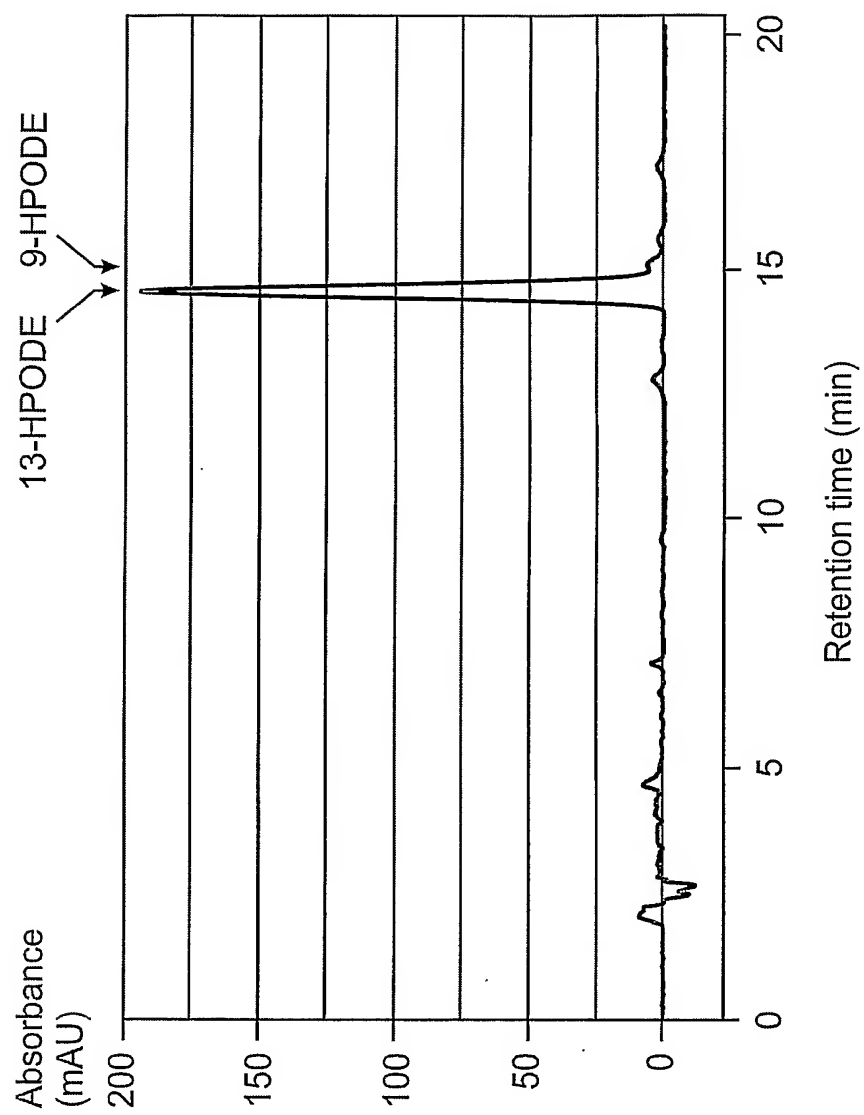


Fig. 14D

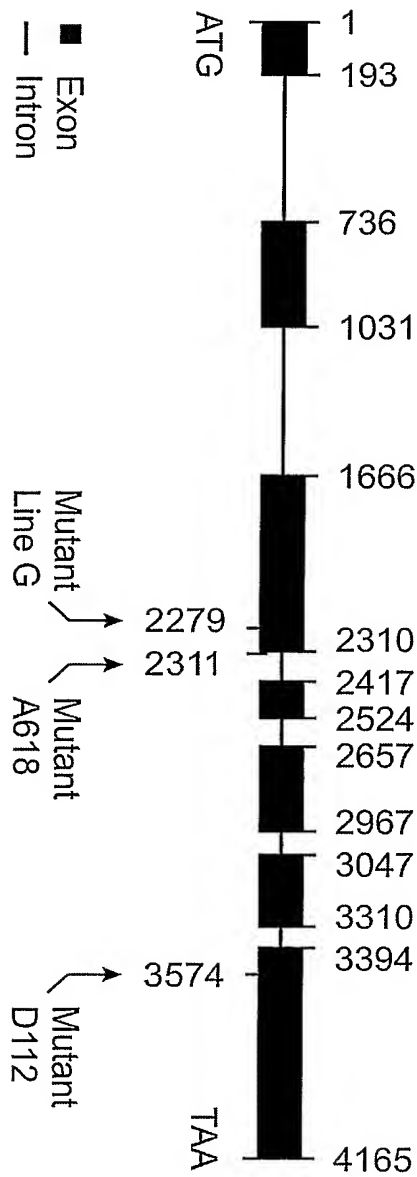


Fig. 15



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|             | Gene   |                         |   | Protein               |             |
|-------------|--------|-------------------------|---|-----------------------|-------------|
|             | Change | Position in genomic DNA | Result                                    | Length in amino acids | Mass in kDa |
| Wild-type   | —      | —                       | —   | 862                   | 96.4        |
| Mutant A618 | G→A    | 2311                    | RNA splicing error;<br>translational stop | 399                   | 44.5        |
| Mutant D112 | G→A    | 3574                    | Translational stop                        | 665                   | 74.2        |

Fig. 16

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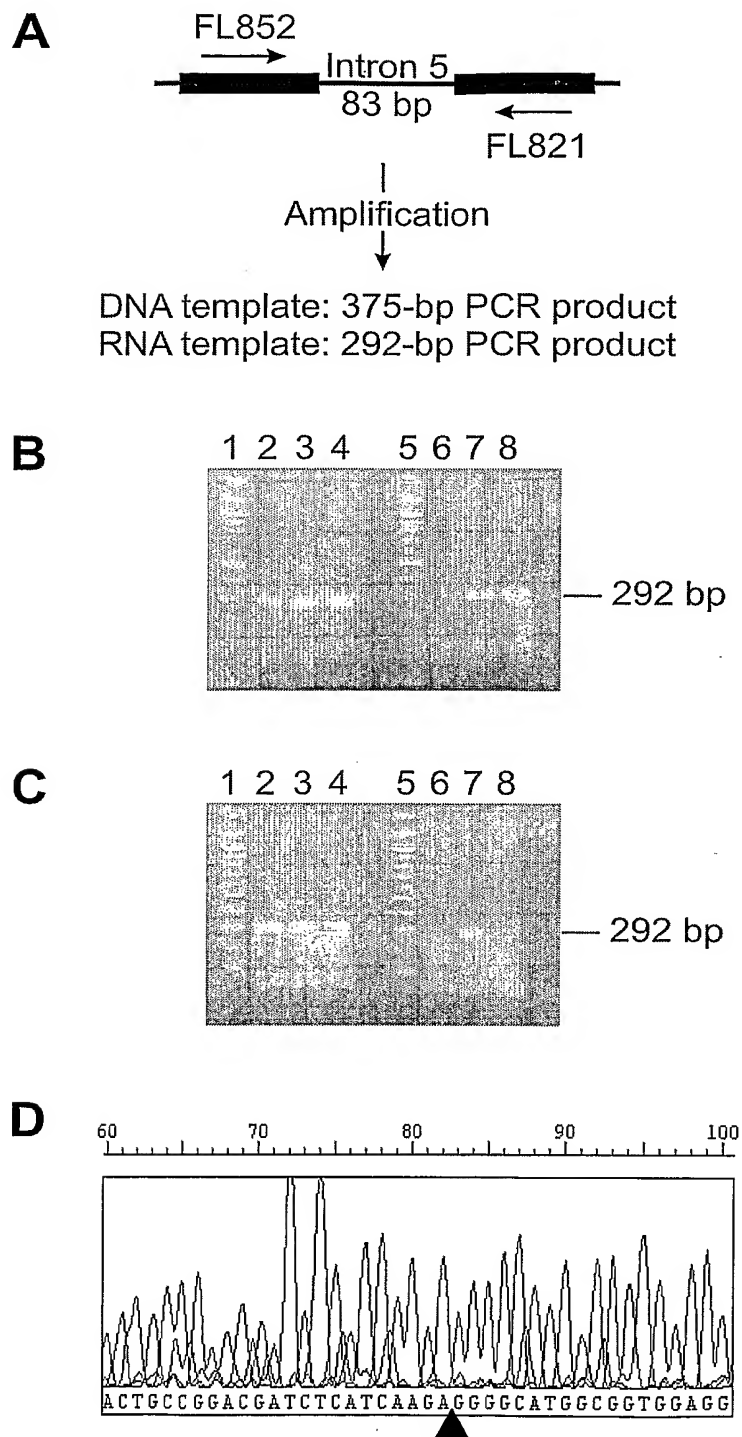


Fig. 17

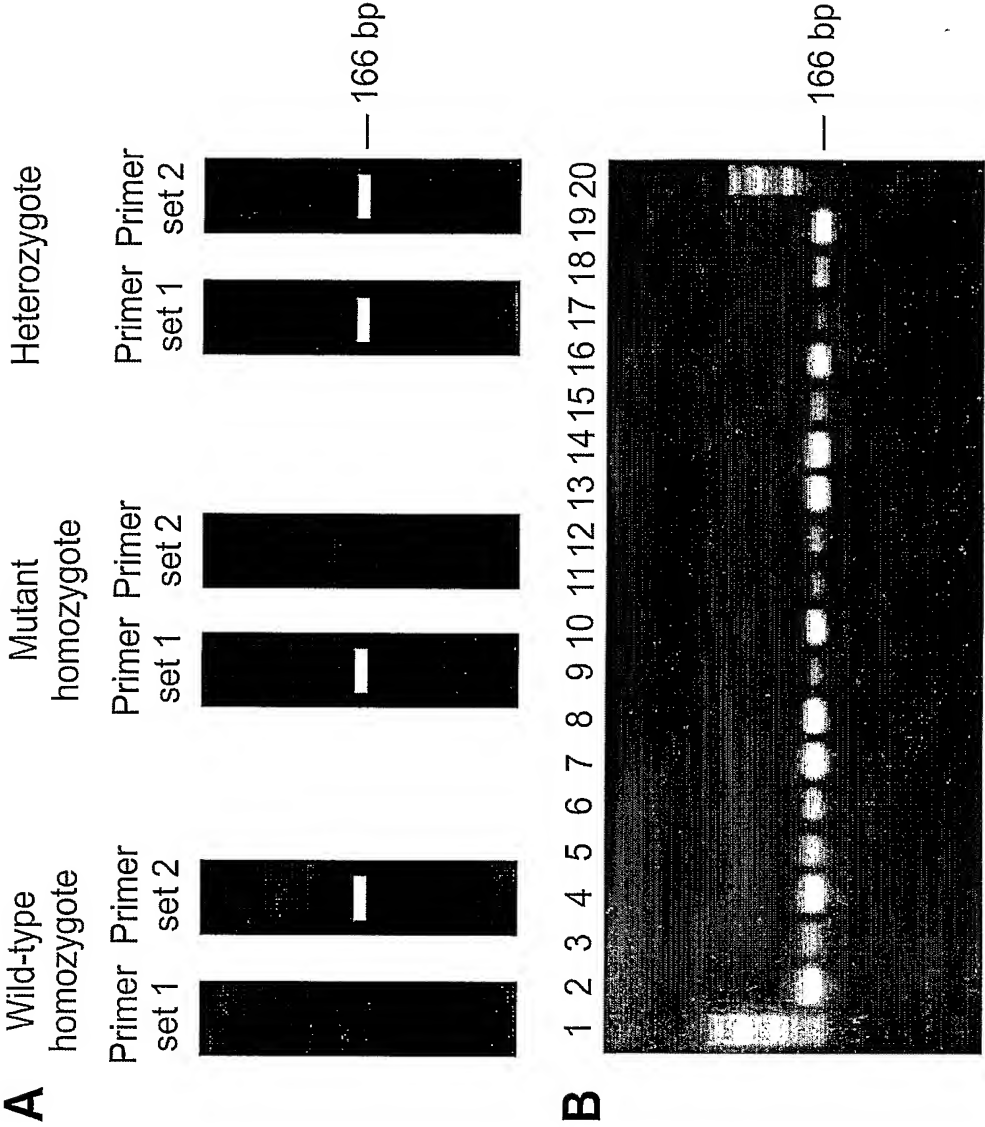


Fig. 18

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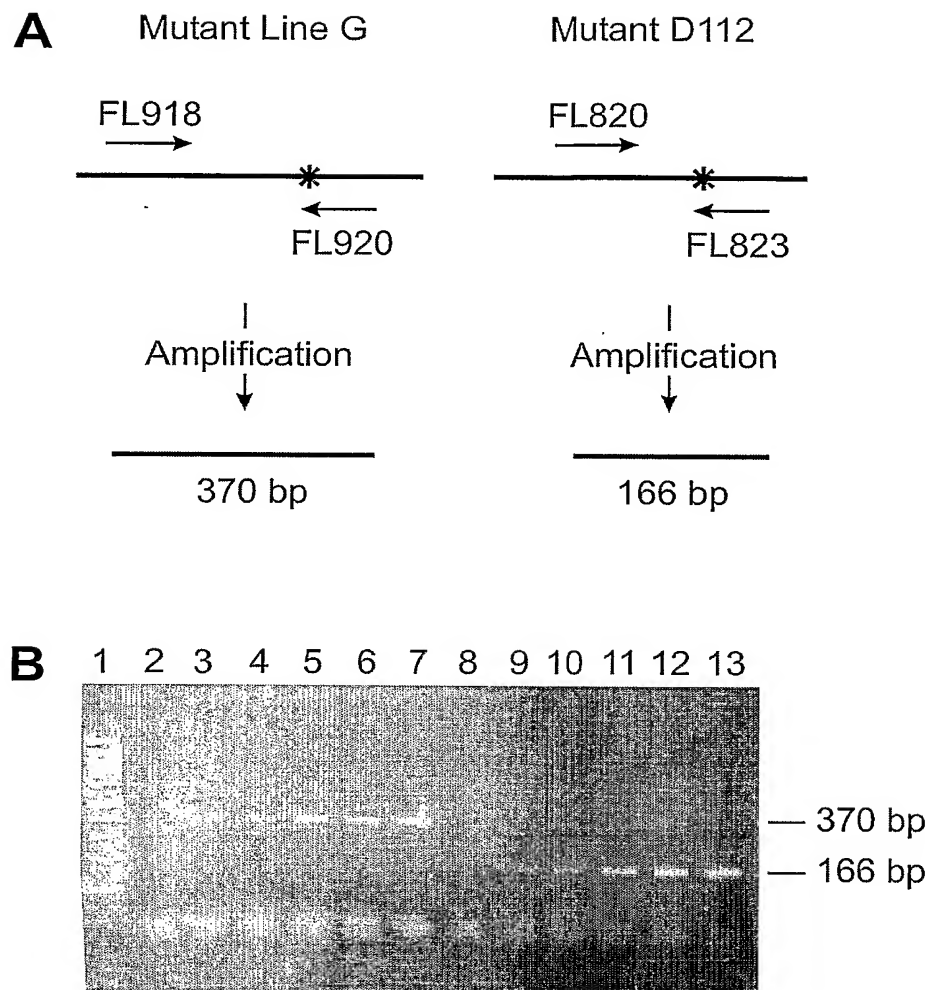


Fig. 19

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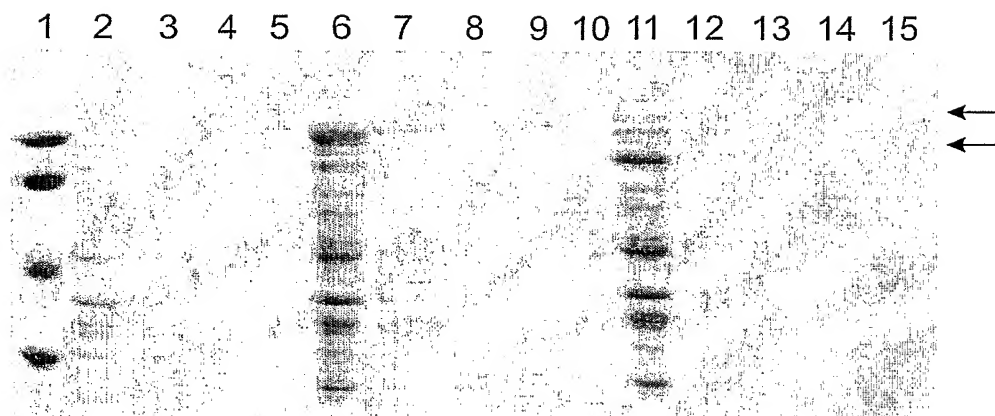


Fig. 20

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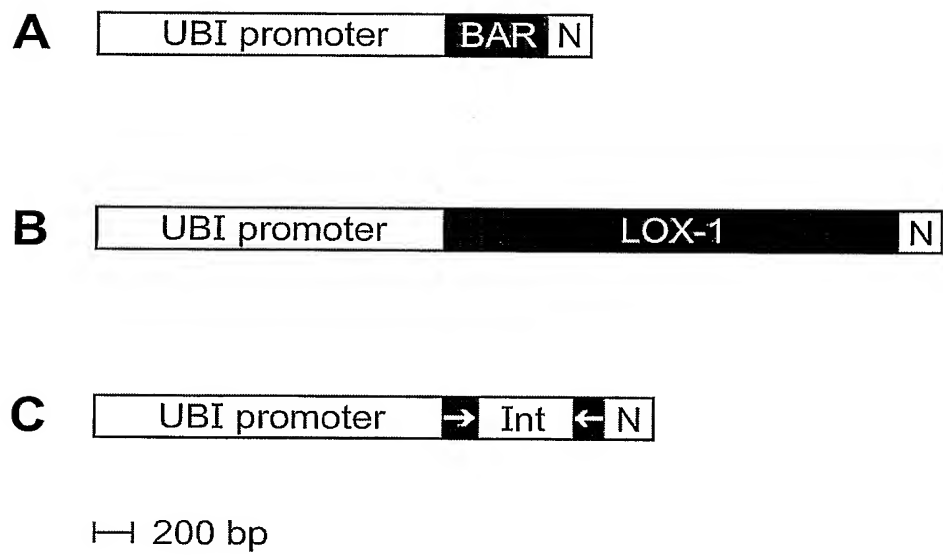
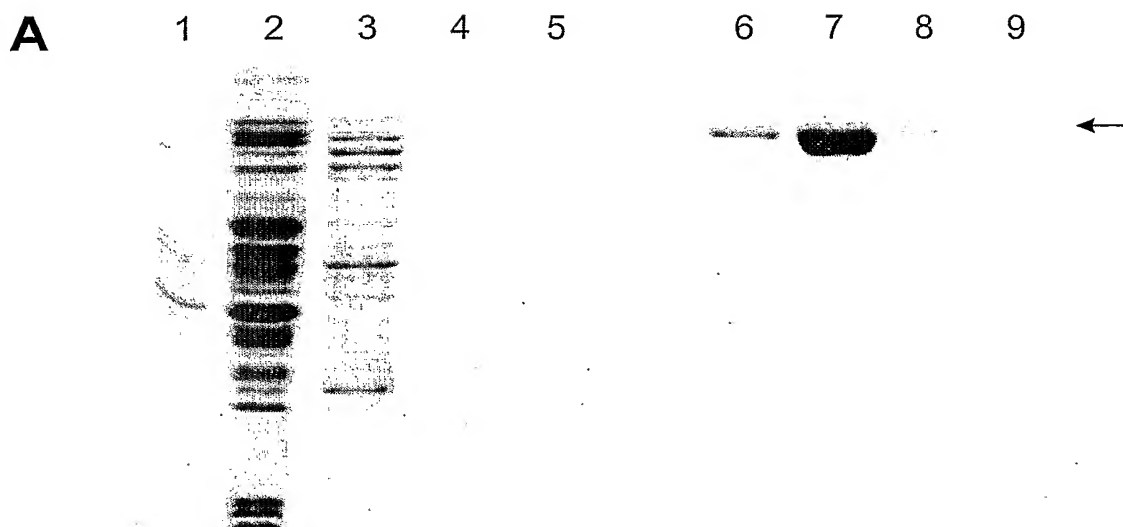


Fig. 21

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**B** Relative LOX-1 activity (%)

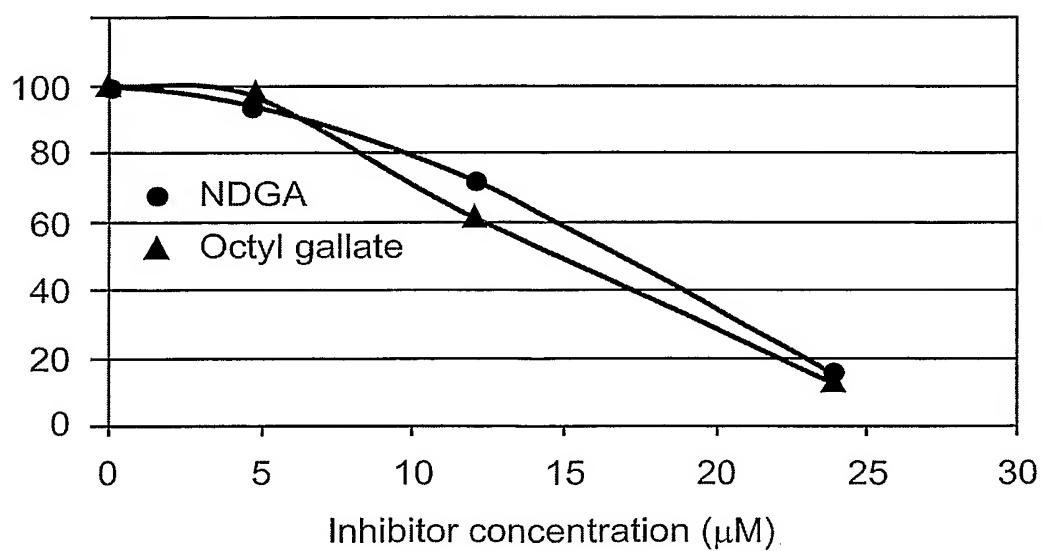


Fig. 22

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Free T2N in wort (ppb)

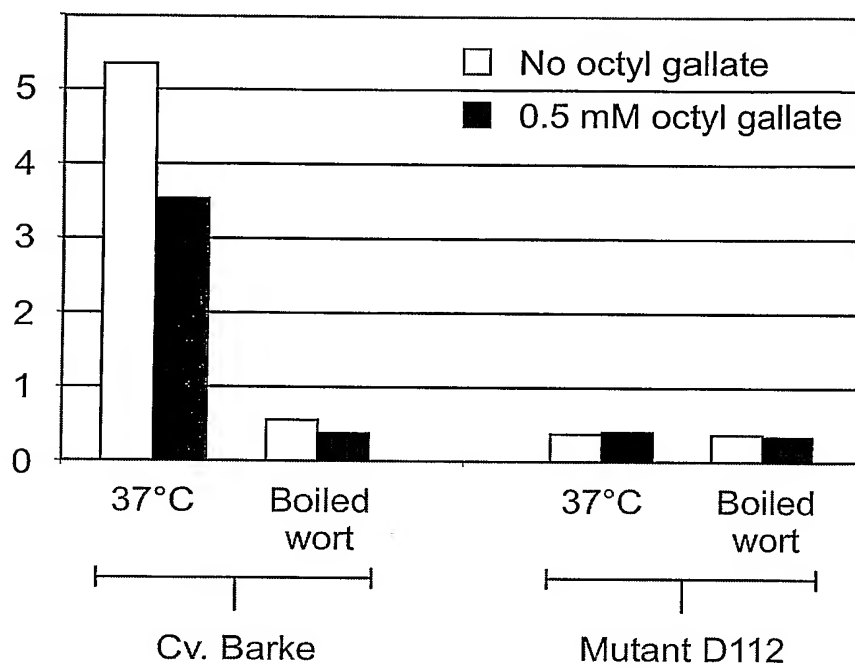


Fig. 23